INDEX

Algae, effects of cadmium on growth of 442
nutrient limitation to algal growth in a river complex 587
Air, Chromosorb 102 & trapping pesticides from 17
Analysis, of Co-ral and Bayrusil in water 739
of epoxides with 4-(p-Nitrobenzyl)-pyridine 759
micro, of benzene in blood 659
wet chemical microcoulometric analyzer for chloride 161
Animals, accumulation of mirex in 136
detection of cyolane in the cow 173
dieldrin residues in fat of steers 567
effects of DDT on the shrew 32
effects of PCB's on rabbit sleeping times 518
feeding dairy cows Supracide 594
organochlorines in arctic mammals 529
regimen for purging dieldrin contaminated 433
Apparatus, improved chemical delivery system 123
modification of a commercial evaporator 417
Bacteria, effects of organophosphates on 26
production of H_2S from ethion by 359
Banamite, toxicity to spider mites 158
Benzopyrene, metabolism of, by rainbow trout 481
Birds, effects of phthalates on ring dove eggs 698
heavy metal residues in kestrel eggs 227
hemotology of mercury toxicity in 46
mercury residues in tissues and eggs of chickens 366
organochlorine residues in duck preen glands 672
pigeon as a sensor of lead 92
seasonal changes in pesticides and mercury in terns 726
Blood, biochemical changes induced by ethyl acetate in 612
direct determination of manganese in 470
and mercury toxicity in chickens 46
microdetermination of benzene in 659
Cadmium, effects on growth of an alga 442
in cigarette smoke 570
toxic effect on cultured rat cerebellum 535
variability in uptake by rats 281
Carcinogens, Co-carcinogenesis of DDT, PCB & methylcholanthr. 687
Chlordane, an apparent case of poisoning 555
nutrition and toxicity of in trout 513
Cleanup, low temperature of triazine residues 752
Co-carcinogenesis, DDT, PCB's & methylcholanthrene 687
Copper, use of as sulfate in ponds 425
2,4-D, effect on cells 400

DDT,density gradient separation of 562
distribution in a treated stream 522
effect on bacterial lipid metabolism 295
effects on energetics of the shrew 32
effects on glucose-6-phosphate dehydrogenase 343
in human milk from Canada 258
levels in Utah wildlife 153
metabolism by a planarium 355
reproduction in rats born to treated parents 373
silica gel separation from PCB's 710
TLC cleanup of fish fat for analysis of 331
Dibenzofurans, in PCB sample from Japan 338
Dieldrin, contamination of milk from feed bags 209
regimen for purging contaminated animals 433
residues in fat of steers 567
residues on feathers of birds 413
Dimethyl sulfoxide, effect on and 2,4-D on cells 400
Dioxins, toxicity to fish 76
Dithiocarbamates, effects of cooking on ethylene thiourea formation 224
Drug metabolism, effect of amino acids on, in rat 104
Earthworms, effects of cadmium, lead and zinc on 509
effects of pesticides on 487
Enzymes, effect of DDT on glucose-6-phosphate dehydrogenase 343
effect of insecticides on midge larvae 62
effect of mercury on glutathione reductase 10
effects of PCB's on microsomal 669
inhibition of monoamine oxidase by Banamite 158
organophosphate effects on cholinesterase from mice and fish 117
pesticidal effects on mitochondrial 446
Ethion, bacterial production of H_2S from 359
Eutrophication, in a river complex 577
Fish,acute effects of PCB's on catfish 204
anticholinesterase effects of organophosphates in 117
avoidance of PCB's by 253
cleanup of fat for separation of PCB's and DDT 331
effects of phthalate esters on shrimp 421
effects of temperature on uptake of methylmercury by minnow 703
effects of Zinc and water hardness on 193
lead concentrations in native trout 70
mercury, DDT, DDE, Dieldrin and PCB's in 218
metabolism of 3,4-benzpyrene by 481
nutritional effects of chlordane on trout 513
recovery of organochlorines from 301
silver toxicity and accumulation in 53
sub-lethal effects of malathion on 312
toxicity of dioxins to 76
toxicity of methylmercury and copper to 633
toxicity of zinc polluted stream to 464
uptake of PCB's by juvenile salmon 406
Fungi, metabolism of endosulfan by 182
production of dimethylselenide by 308
Fungicides, runoff and mobility studies on Benomyl 385

GLC-MS, of PCB components 138
Health, respiratory route of pesticide exposure 1
Heavy metals, acute toxicity to plankton 745
bovine hair from Missouri contains 626
in kestrel eggs 227
Herbicide residues, effects on denitrification 241
low temperature cleanup of triazine 752
Hydrocarbons, water-soluble from crude oil 212
Kelthane, residues on apple pomace, effect of U.V. on 202
Lead concentration in native trout 70
content in printed polyethylene bags 645
pollution, the pigeon as a sensor of 92
Malathion, sublethal effects of, on fish 312
Manganese, direct determination in blood and serum 470
Mercury, effect on glutathione reductase 10
effect on a bivalve 86
in tissues and eggs of chickens 366
levels in Utah wildlife 153
seasonal variations in Canadian terns 726
toxicity and hematology in chickens 46
Methazole, metabolism in wheat and onions 493
Methylmercury, and copper toxicity to fish 633
effect of temperature on uptake in minnow 703
Mice, anticholinesterase effects of organophosphates in 117
mutagenicity of saccharin in 186
Microorganisms, haloduric anaerobes in sulfide muds 346
Mitochondria, effects of glutathion on steroid hydroxylation 99
Mirex, acute hepatotoxicity in the rat 617
accumulation in crab 136
residues following aerial treatment 233
Organochlorines, in human milk from Canada 258
intestinal absorption of, by rats 289
occurrence in arctic mammals 529
metabolism of dichlorobiphenyl 541
recovery from fish tissue by extraction 301
residue accumulation in sparrows 677
residues and PCB's in butter 606
residues in duck preen glands 672
seasonal variations in Canadian terns 726
separation on florisil microcolumns 710
storage in Ugandans 501
translocation in mangrove seedlings 129
Organophosphates, effects on bacteria 26
effects of Abate on crab populations 694
effects of on the rat 38
feeding Supracide to dairy cows 594
residues of diazinon in buildings 177
toxicity of cygon to fish embryos 475
PCB's, acute effects on catfish 204
avoidance of by shrimp and fish 253
co-carcinogenesis with DDT and methylcholanthrene 687
,DDT &DDE interactions in a diatom 665
determination of PCP and 649
dibenzofurans in Japanese samples of 338

effect of sex and age of rat on toxicity of 145
effect of bacterial lipid metabolism 295
effect on sleeping times of rabbits 518
effects on mice 394
effects on microsomal enzymes 669
emission from fluorescent lamp ballast 455
extraction from water by foam plugs 622
florisil storage temperature and analysis of 328
GLC-MS of components 138
in human milk from Canada 258
in plankton and sediments from Finland 733
residues in Norwegian butter 606
silica gel separation from DDT etc. 710
TLC cleanup of fish fat for analysis of 331
uptake by juvenile salmon 406
Pesticide residues, effects on pasture earthworms 487
efficacy of home laundering for removal of 268
on leaf surfaces and worker safety 641
respiratory route of exposure to 1
trapping from air with Chromosorb 102 17
Photochemical isomerization of endrin in sunlight 113
Photodieldrin residues in field soils 275
Phthalate esters, distribution and metabolism in the rat 109
effects on shrimp 421
in human adipose tissue 721
on ring dove eggs, effects of 698
Toxicity to nervous tissue in culture 167
Rat, cadmium toxicity to cultured cerebellum of 535
distribution and metabolism of phthalates in 109
effect of age and sex on PCB toxicity in 145
effect of amino acids on drug metabolism of 104
effect of organophosphate residues on 38
fate of toxaphene in 320
intestinal absorption of organochlorines by 289
mirex induced hepatotoxicity in 617
reproduction in offspring born to DDT treated parents 373
variability in uptake of cadmium by 281
Sediments, PCB's in Finnish plankton and 733
Selenium, fungal production of dimethylselenide 308
Shellfish, effects of mercury on 86
Soils, pesticide residues in soils from Alabama counties 378
photodieldrin in 275
runoff and mobility studies of Benomyl 385
Surface residues, estimating toxicological potential 682
Toxaphene, fate in rats 320
Water, analysis of Co-ral and Bayrusil in 739
distribution of DDTR in a stream 522
use of copper sulfate in ponds 425
Worker safety, sampling and processing for surface residues 641
Zectran, degradation in alkaline water 599
Zinc, and water hardness, effects on fish 193
on the behavioral capacity of minnow 654
toxicity to salmonids 464
toxicity to fish embryos 475